

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **60057041 A**

(43) Date of publication of application: **02.04.85**

(51) Int. Cl. **F16H 7/02**  
**F02B 67/06**

(21) Application number: **58165028**

(22) Date of filing: **09.09.83**

(71) Applicant: **TOYOTA MOTOR CORP**

(72) Inventor: **GOMI KOICHI**  
**YOSHIMARU TOSHIMI**

**(54) IMPROPER ENGAGEMENT PREVENTING DEVICE  
OF TIMING BELT**

**(57) Abstract:**

**PURPOSE:** To prevent skipping of the teeth of the timing belt by providing a guide wall of the periphery of a pulley so that the space between the guide wall and the pulley is just right size to fit the timing belt, only when its teeth are properly engaged with the pulley.

**CONSTITUTION:** Guide walls 19, 20 are provided on the outside periphery of the pulleys 13, 14 which have a timing belt 17 put on. The spaces between the guide walls 19, 20 and the pulleys 13, 14 are formed so that the timing belt 17 can be fitted only when its teeth is properly engaged with the pulleys. According to this construction, the improper engagement of the timing belt 17 is prevented in the stage of fitting the belt. Furthermore, decrease in belt tension with time due to improper engagement can be avoided. Thus skipping of the teeth of the timing belt 17 can be avoided.

**COPYRIGHT:** (C)1985,JPO&Japio

